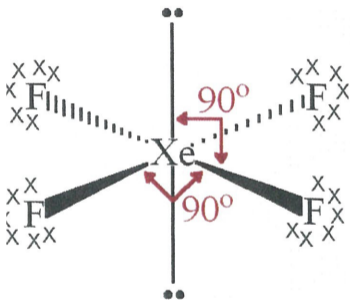


# Octahedral - Square planar



- 6 regions of electron density around the central atom, which is xenon
- 4 bonding pairs of electrons around the central atom
- there are two lone pairs of electrons around the central atom
- the lone pairs of electrons take up space as if they were a bond, so the arrangement is octahedral, specifically square planar
- Angles of 90°
- OCTAHEDRAL - SQUARE PLANAR
- eg  $\text{BrF}_4^-$ ,  $\text{ICl}_4^-$